Weaver Boos & Gordon, Inc.

ALBUQUERQUE, NM GLEN ELLYN, IL GRIFFITH, IN SPRINGFIELD, IL

200 SOUTH MICHIGAN AVENUE • SUITE 900 • CHICAGO, ILLINOIS 60604 • 312/922-1030 FAX 922-0201

April 18, 2001 Project #0072-01-14

Office of Land Quality
Indiana Department of Environmental Management
100 North Senate Ave.
P.O. Box 6015
Indianapolis, IN 46206-6015
Attn: Greg Overtoom

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Re: Groundwater Monitoring

Feddeler C/D Landfill, #45-08, Lake County

Dear Mr. Overtoom:

On behalf of our client, R&M Enterprises, Weaver Boos & Gordon, Inc. is herein submitting three copies of the analytical results from the groundwater sampling event that took place December 28-29, 2000 at the above referenced facility. As discussed previously with IDEM, flush mounted monitoring wells MW-12 and MW-13 could not be located in December 2000 due to heavy snow cover. After the snow melted, we obtained groundwater samples from these two wells on March 5, 2001.

Field procedures were implemented in accordance with the site-specific Sampling and Analysis Plan, dated November 3, 1997, Revised March 17, 1998. The laboratory analytical reports from the December 2000 and March 2001 sampling dates and groundwater sampling field forms are attached. Note that we transmitted an electronic copy of the analytical results to you via email.

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Mr. Greg Overtoom April 18, 2001 Page 2

We trust that the enclosed is sufficient for your current needs. If you have additional questions concerning the enclosed data, please contact us at your convenience.

Sincerely,

Weaver Boos & Gordon, Inc.

Michael B. Maxwell Project Geologist

Mulad & Maxwell

Timothy A. Boos, CPG Principal

Milwel B. Marnell 16

Attachments

cc: Ms. Julie Feddeler - R&M Enterprises (w/ attachments)

200 South Michigan Ave., Suite 900 Chicago, IL 60604

Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: Hmanda Brotz Title: Gologust
Monitoring Well No.: MU - Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 702.80 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): 22.18 ft. 180.12 MSL Measured Well Depth (fr. top pvc) 34.1 ft. 180.7 MSL Installed Well Depth 35.1 ft. 160.7 MSL Water Volume in Casing: 1 gal. Time Purge Started: 1000 Differential 1 ft. MSL
2" well contains 0.163 gallons/foot Time Purge Ended Corrective Action Required Yes No X 4" well contains 0.652 gallons/foot (Differential +/- 2 feet)
Well Diameter: 2 Total Volume Purged: 65 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer/Pump: PVC Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL IN Dedicated? Yes No Disposable? Yes No Peristaltic Pump LIQIIIN DX RATH
Sample Condition: Color: SUGHTLY TUBBLD Odor: NOVE
Sample Time: 092
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Skies: Clear Partly Cloudy Wind Speed/Direction: LAW N NE E SE S SW W NW
Notes/Observations:
CUT LOLK - NO KEY C OFFILE
Sampler(s) Signature: Amanda brotz
X

200 South Michigan Ave., Suite 900 Chicago, IL 60604

Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A. Brotz Title: Geologist
Monitoring Well No.: MW-2 Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 675. 30 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): 4.31 ft. 610.49 MSL Measured Well Depth (fr. top pvc) 30.25 ft. 445.22 MSL Installed Well Depth 30.7 ft. 644.24 MSL
Water Volume in Casing: 2 gal. 2" well contains 0.163 gallons/foot 4.2 Time Purge Started: 335 Differential 0.42 ft. MSL Corrective Action Required Yes No (Differential +/- 2 feet)
Well Diameter: Total Volume Purged: gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): PH, SC, TD Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No Method of Decontamination: LIQUINOX BATH
Method of Decontamination: LIQUINOX BATH
Sample Condition: Color: TULBID - GRAY Odor: NONE
Sample Time: 1402
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH 7.27 7.26 7.20 7.24 7.20 std. units Specific Conductivity 1753 1746 2360 1959 1913 umhos/cm Temperature 5.4 9.0 9.9 8.1 10.1 °C
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: NONG Light Moderate Heavy Wind Speed/Direction: N NE SE S SW W NW
Notes/Observations: + CUT LOCK - NO KEY ONSITE
MW-14 TAKEN AS DUPLICATE
SAMPLE TIME: 1407
Sampler(s) Signature: Amanda Broty

200 South Michigan Ave., Suite 900 Chicago, IL 60604

Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A.BrotZ Title: Greologi St
Monitoring Well No.: MW-3 Upgradient: Downgradient: X Top of Procover: NA MSL 8.95 Top of PVC: WS. 657.65 MSL Ground Surface: NA MSL 657.65
Top of Procover: NA MSL 8.95 of PVC: 657.63 MSL Ground Surface: NA MSL 657.63
Ground Water Depth (from top of PVC): 44 ft. Men House Well Depth (fr. top pvc) 50.9 ft 31.5 ft 5745 ft.
Water Volume in Casing: NA gal. Time Purge Started: NA Differential (),53 ft. MSL of Corrective Action Required Yes No X (Differential +/- 2 feet)
Well Diameter: Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer/Pump: No Disposable? Yes No
Field Meters (pH, Eh, SC): Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No
Method of Decontamination: LIQUINUX BATH
Sample Condition: Color: NA Odor: NA
Sample Time: NA
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH NA NA NA NA
pH NA NA NA NA Std. units Specific Conductivity
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Light Moderate Heavy Wind Speed/Direction: 5-10 N NE E SE S SW W NW
Notes/Observations: WATER LEVEL ONLY
<u>'</u>
Sampler(s) Signature: Manda But

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Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A.BYOTZ Title: Greologist
Monitoring Well No.: MW-4 Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 702.71 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): 23.5 ft 6 1.2 MSL Measured Well Depth (fr. top pvc) 28 ft 174.7 MSL
Water Volume in Casing: Name Purge Started: Name Purge Ended N
Well Diameter: Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer/Pump:
Field Meters (pH, Eh, SC): Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No
Method of Decontamination: LIQUINOX BATH
Sample Condition: Color: NA Odor: NA
Sample Time: NA
Field Measurements: ### ### ### ### ### ### ### ### ### #
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Now Light Moderate Heavy Wind Speed/Direction: 5 10 N NE E SE S SW W NW
Notes/Observations: WATER LEVEL ONLY
Sampler(s) Signature: Amanda Brot
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WEAVER BOOS & GORDON, INC. 200 South Michigan Ave., Suite 900

Chicago, IL 60604

Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A, Brotz Title: 6601961ST
Monitoring Well No.: MW-5 Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 706.96 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): NAth MSL Measured Well Depth (fr. top pvc) NAth MSL Installed Well Depth 35.8 ft. 671.14MSL
Water Volume in Casing: NA gal. 2" well contains 0.163 gallons/foot Time Purge Started: NA Differential Time Purge Ended Water Volume in Casing: NA Differential Time Purge Ended NA Corrective Action Required Yes No (Differential +/- 2 feet)
Well Diameter: Total Volume Purged: gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): PH, SC, TO Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No
PERISTOLIL POMP Method of Decontamination:
Sample Condition: Color: NA Odor: NA
Sample Condition: Color: NA Odor: NA Sample Time: NA
Sample Time: NA Field Measurements: #1 #2 #3 mean #4 new mean #5 #6
Sample Time: NA Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH Specific Conductivity
Field Measurements: Field Measurements:
Sample Time: NA Field Measurements: #1 #3 mean #4 new mean #5 #6 pH Specific Conductivity Temperature Section Poor Fair Moderate Good Very Good Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH
Sample Time: NA Field Measurements: #1 #3 mean #4 new mean #5 #6 pH Specific Conductivity Temperature
Sample Time: Field Measurements:
Field Measurements: ### ################################
Sample Time: Field Measurements:
Field Measurements: ### ################################

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Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A.BrotZ Title: GEOUDG1ST
Monitoring Well No.: MW-6 Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 695.97 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): 15.44ft. 60.53MSL Measured Well Depth (fr. top pvc) 32.7 ft. 663.7 MSL Installed Well Depth 33.9 ft 662.5 MSL
Water Volume in Casing: 2 gal. Time Purge Started: 134 Differential 1.7 ft. MSL 2" well contains 0.163 gallons/foot Time Purge Ended Time Purge Ended (Differential +/- 2 feet)
Well Diameter: 2 Total Volume Purged: 6,5 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yel No
Bailer/Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): PH, SC, TO Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No Method of Decontamination: LIQUINOX BATH
Sample Condition: Color: TURBID BROWN Odor: NONE
Sample Time:
Field Measurements: #1
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Light Moderate Heavy Wind Speed/Direction: N NE E SE S W W NW
Notes/Observations: WELL WCK HAD TO BE
BROKEN - NO KEY
Sampler(s) Signature: Amanda Brotz

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Chicago, IL 60604

Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A. BROTZ Title: GEOLOGIST
Monitoring Well No.: MW-7 Upgradient: Downgradient:
Top of Procover:MSL
Ground Water Depth (from top of PVC): 4.81 ft. 66.14 MSL Measured Well Depth (fr. top pvc) 35.87 ft. 37.68 MSL
Water Volume in Casing: gal. Time Purge Started: Time Purge Started: Time Purge Ended [114] Installed Well Depth [2] Differential [1] Time Purge Ended [114] Corrective Action Required Yes [114] No [115] No [116] No [116] No [117] No [117] No [118]
Well Diameter: 2 Total Volume Purged: 5 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer/Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): pH, SC, TO Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No PERISTOLIC PUMP LIQUINOX BATH
Method of Decontamination: LIQUINOX BATH
Sample Condition: Color: TURBID - 45000 Odor: NOWY
Sample Time: 0840 12129100
Field Measurements: 7#24 1.25 #3 mean #4 new mean #5 #6 pH 7.24 1.25 7.23 7.24 7.22 DRY * std. units
Field Measurements: 7#24 1.25 7.23 7.24 7.22 DRY
Well Recharge: Very Poor Pool Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Cloudy
Precipitation: NON Light Moderate Heavy Wind Speed/Direction: N NE E SE S SW W NW
Notes/Observations:
* PURGED DKY 12/28/00
D SAMPLE OBTAINED 12/29/00
Sampler(s) Signature:

200 South Michigan Ave., Suite 900 Chicago, IL 60604

Groundwater Sampling Field Form

Date: 12/28/00
Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A.BROTZ Title: <u>GEOLOGIST</u>
Monitoring Well No.: MW-8 Upgradient: X Downgradient:
Top of Procover: NA MSL Top of PVC: 703,44 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): 23.53ft. 619. MSL Measured Well Depth (fr. top pvc) 66.5 ft. 69. MSL Installed Well Depth (7.1.0. ft. 36. h) MSL
Water Volume in Casing: 10 gal. Time Purge Started: 0933 Differential 0,2 ft. MSL 2" well contains 0.163 gallons/foot 4" well contains 0.652 gallons/foot Time Purge Ended DO Corrective Action Required Yes No X (Differential +/- 2 feet)
Well Diameter: 2 Total Volume Purged: 22 gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer)Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): PH, SC, TO Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes (No) Disposable? Yes (No) Method of Decontamination: Method of Decontamination:
Sample Condition: Color: TURBID Odor: NONE
Sample Time:
Field Measurements:
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Light Moderate Heavy Wind Speed/Direction: N NE E SE S SW W NW
Notes/Observations: **LOCK CUT-NO KEY ON SITE
hours do boot
Sampler(s) Signature:

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Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A. Brotz Title: STAFF Geologist
Monitoring Well No.: MW-9 Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 674.59 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): 6.39ft 6821 MSL Measured Well Depth (fr. top pvc) 55.7 ft 6839MSL
Water Volume in Casing: Sal. 2" well contains 0.163 gallons/foot Time Purge Started: 1035 Time Purge Ended 1035 Time Purge Ended 1035 Corrective Action Required Yes No X (Differential +/- 2 feet)
Well Diameter: 2 Total Volume Purged: gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer/Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): PH, SC, TD Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No
Method of Decontamination: PUNP CIQUINOX BATH
Sample Condition: Color: SUBHT TURBIDITY Odor: Nowe
Sample Time: 0830 12/29/00
Field Measurements: 7#1 7*29 7*39 mean #4 new mean #5 7*29 5td. units specific Conductivity 643 634 635 (33) 635 (33) 636 (33) 53
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: 15 Skies: Clear Partly Cloudy Precipitation: None Light Moderate Heavy Wind Speed/Direction: ALM N NE E SE S SW W NW
Notes/Observations: PURGED DRY 12/28/20 + HINL ON Pro-Coun broken
Sampler(s) Signature: Amanda Broth

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Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A. Brot Z. Title: GEOUGIST
Monitoring Well No.: MW-IO Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 61343 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): MF ft. MSL Measured Well Depth (fr. top pvc) ft. MSL Installed Well Depth L3.8 ft. 30.3 MSL
Water Volume in Casing:
Well Diameter: Z Total Volume Purged: NA gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer/Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): PH, SC, T Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes No Disposable? Yes No
Method of Decontamination: LIQUINOX DATE
Sample Condition: Color: NA Odor: NA
Sample Time: VA
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH X X X _X std. units
Specific Conductivity umhos/cm
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Light Moderate Heavy Wind Speed/Direction: N NE E SE S SW W NW
Notes/Observations:
* BAILER FROZEN IN WATER Courm
NO SAMPUT OBTAINED
Sampler(s) Signature: Ammu hot
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200 South Michigan Ave., Suite 900 Chicago, IL 60604

Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A.BrotZ Title: 6 EOL 061ST
Monitoring Well No.: MU— Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: 602 40 MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): Wht. WAMSL Water Volume in Casing: Value and Started: Time Purge Started: Time Purge Ended Well contains 0.163 gallons/foot Well contains 0.652 gallons/foot Measured Well Depth (fr. top pvc) Amount for the fine purge Started: No Corrective Action Required Yes No (Differential +/- 2 feet)
Well Diameter: 2 Total Volume Purged: N gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No Bailet/Pump: Dedicated? Yes No Disposable? Yes No Field Meters (pH, Eh, SC): Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LEVEL Dedicated? Yes (No) Disposable? Yes (No) PARISTOLI L PUMP LIQUINOX BATT! Method of Decontamination:
Sample Condition: Color: NA Odor:
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Cloudy Precipitation: Light Moderate Heavy Wind Speed/Direction: N NE E SE S SW W NW
Notes/Observations:
STICKUP BROKEN
Sampler(s) Signature:

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Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A, Brotz Title: GEOLOGIST
Monitoring Well No.: MW-12 Upgradient: Downgradient:
Top of Procover: 65,48 MSL Top of PVC: 65.45 MSL Ground Surface: 685.60 MSL
Ground Water Depth (from top of PVC): NA ft. NAMSL Measured Well Depth (fr. top pvc) ft. MSL Installed Well Depth (fr. top pvc) ft. MSL
Water Volume in Casing: NA gal. Time Purge Started: NA Differential ft. MSL 2" well contains 0.163 gallons/foot Time Purge Ended NA Corrective Action Required Yes No (Differential +/- 2 feet)
Well Diameter: 2 Total Volume Purged: Na gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailer/Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): OH, SC, To Dedicated? Yes No Disposable? Yes No
Field Equipment: WATER LIVEL Dedicated? Yes No Disposable? Yes No
Method of Decontamination:
Sample Condition: Color: NA Odor: NK
Sample Time: NA
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6
pH std. units Specific Conductivity Temperature
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Light Moderate Heavy Wind Speed/Direction: N NE E SE S SW W NW
Notes/Observations: + WELL NOT FOUND DUE TO LARGE SNOW COVER
Language Book
Sampler(s) Signature: TWWW PIWT

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Groundwater Sampling Field Form

Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: A. BNtZ Title: UEOLOGIST
Monitoring Well No.: MW-13 Upgradient: Downgradient:
Top of Procover: NA MSL Top of PVC: NA MSL Ground Surface: NA MSL
Ground Water Depth (from top of PVC): NATI. MSL Measured Well Depth (fr. top pvc) ft. MSL Installed Well Depth (1) ft. MSL
Water Volume in Casing: NA gal. Time Purge Started: NA Differential ft. MSL 2" well contains 0.163 gallons/foot Time Purge Ended Time Purge Ended (Differential +/- 2 feet)
Well Diameter: Total Volume Purged: NR gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Bailey/Pump: Dedicated? Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): PH, SC, Dedicated? Yes No Disposable? Yes No
Field Equipment: WHITE LUEL Dedicated? Yes No Disposable? Yes No PALSTOLIC PUMP LIQUINOX BATH
Sample Condition: Color: NA Odor: NA
Sample Time: NA
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6
Specific Conductivity umhos/cm
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Partly Cloudy Precipitation: Light Moderate Heavy
Wind Speed/Direction: N NE E SE S SW W NW
Notes/Observations: + WELL NOT FOUND DUE TO LARGE SNIW COUR
LATE JOHN WILL
Sampler(s) Signature: Amanda Mot

200 South Michigan Ave., Suite 900 Chicago, IL 60604

Groundwater Sampling Field Form

Date: 3/5/01 Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14 Name of Person(s) Sampling: Rich Backer / Jason Steinhaus Title: Field Ted / Staff Monitoring Well No.: MW-13 Upgradient: _____ Downgradient: ____ Top of PVC: 685.45 MSL Ground Surface: NA MSL Top of Procover: NA MSL Measured Well Depth (fr. top pvc) 34.87 ft.650.5 MSL Ground Water Depth (from top of PVC): 13,35 ft. 661.9 MSL Water Volume in Casing: 3, 2 gal. Time Purge Started: 162 Differential Ag 60.09 MOI Time Purge Ended 5370 Corrective Action Required Yes No 2" well contains 0.163 gallons/foot (Differential +/- 2 feet) 4" well contains 0.652 gallons/foot Well Diameter: Total Volume Purged: _____ gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No Bailer/Pump: Brill PV Dedicated? (Yes) No Disposable? Yes (No Field Meters (pH, Eh, SC): 1 School Dedicated? Yes No Disposable? Yes No Field Equipment: Ucter level ind Dedicated? Yes No Disposable? Yes No Method of Decontamination: liquitox bath Color: slightly cloudy Odor: now Sample Condition: Field Measurements: std. units umhos/cm Specific Conductivity Temperature Very Good Moderate Good Very Poor Fair Well Recharge: Skies: Cloudy Partly Cloudy Weather Conditions: Temperature: Precipitation: N+ Wind Speed/Direction: Light Moderate Heavy

N NE E SE S SW W Notes/Observations: Sampler(s) Signature:

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Groundwater Sampling Field Form

Date: 3/5/01 Site: Feddeler Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14 Name of Person(s) Sampling: Pich Bocker / Jason Stringen Title: Field Tech / Staff Scientist Monitoring Well No.: My 13 Upgradient: _____ Downgradient: X Top of PVC: <u>し名いろ</u> MSL Ground Surface: <u>MA</u> MSL Top of Procover: \\A MSL Measured Well Depth (fr. top pvc) 20.71 ft. 660. MSL Ground Water Depth (from top of PVC) 2. 2114 ft. ごいろMSL Installed Well Depth 30,3 ft.661 5 MSL Water Volume in Casing: 1,7 gal. Time Purge Started: SYN Differential C,41 ft.0.41 M
Time Purge Ended SYN Corrective Action Required Yes No Differential 0,41 ft.0,41 MSL 2" well contains 0.163 gallons/foot (Differential +/- 2 feet) 4" well contains 0.652 gallons/foot Bailer Pump: ____ Pump: ____ Dedicated? (es) No Disposable? Yes (No Field Meters (pH, Eh, SC): pH SC To Dedicated? Yes No Disposable? Yes No Field Equipment: unter level ind. Dedicated? Yes (No) Disposable? Yes (No)

Method of Decontamination: liquinox ball Sample Condition: Color: Slightly Cloudy Odor: hone Sample Time: 0 735 Field Measurements: std. units umhos/cm Specific Conductivity Temperature Poor Fair Very Good Moderate Very Poor Well Recharge: Weather Conditions: Temperature: Skies: Precipitation: Light Wind Speed/Direction: 1 (Clear) Partly Cloudy Cloudy Light Moderate Heavy N NE E SE S SW W NW Notes/Observations: _________ Sampler(s) Signature:

200 South Michigan Ave., Suite 900 Chicago, IL 60604

Groundwater Sampling Field Form

Date: 3/5/01

Site: Feddolor Construction/Demolition Site Location: Lowell, Indiana Permit No.:45-08 File: 0072-01-14
Name of Person(s) Sampling: J. Steinhauer/R. Barker Title: Staff Scientist/Senior Technician
Monitoring Well No.: Hw-10 Upgradient: Downgradient: X
Top of Procover: <u>NA</u> MSL Top of PVC 673.93 MSL Ground Surface: <u>NA</u> MSL
Ground Water Depth (from top of PVC): 1 ft. MSL Measured Well Depth (fr. top pvc) ft. MSL Installed Well Depth (7.3 ft. 55.1 MSL
Water Volume in Casing: NA gal. Time Purge Started: NA Differential ft. MSL 2" well contains 0.163 gallons/foot Time Purge Ended NA Corrective Action Required Yes No (Differential +/- 2 feet)
Well Diameter: . Total Volume Purged: gal. (Min. 3 to 5 vols.) Well Pumped/Bailed Dry? Yes No
Baile/Pump: Dedicated? (Yes No Disposable? Yes No
Field Meters (pH, Eh, SC): physical Dedicated? Yes No Disposable? Yes No
Field Equipment: Wes /esel Dedicated? Yes No Disposable? Yes No
Method of Decontamination: Liquinox Bith
Sample Condition: Color: UA Odor: WA
Field Measurements: #1 #2 #3 mean #4 new mean #5 #6 pH std. units Specific Conductivity Temperature Time Time
Well Recharge: Very Poor Poor Fair Moderate Good Very Good
Weather Conditions: Temperature: Skies: Clear Rartly Cloudy Precipitation: Pc,1 2 Light Moderate Heavy Wind Speed/Direction: 5-10 NE E SE S SW W NW
Notes/Observations: ** Unable to refrieve a water level or ident a groundwater Sample, due to the dedicated builer stack in the Re casing. Second attempt were made to free the bailer from the casing, but were Boes field parsonell signature.
Sumple due to the dedicated builter stack in the Re cusing. Secretal
Sampler(s) Signature: Signature:



January 16, 2001

Mike Maxwell Weaver Boos & Gordon, Inc. 200 South Michigan, Suite 900 Chicago, IL 60604

RE: 0072-01-14 / Feddeler C & D Facility

Work Order: ME0012317

Dear Mike Maxwell,

Enclosed are the results for the 10 Samples we received on Friday, December 29, 2000 for the analyses presented in the following report.

All data included has been reviewed for and meets all project specific and Quality Control requirements, unless otherwise noted.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,

SIMALABS International

Carla E. Svettch Project Manager

Enclosures



CASE NARRATIVE

Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Project:

0072-01-14 / Feddeler C & D Facility

Lab Order:

ME0012317

Phenol Batch 10111A: Elevated recoveries are noted for the LCS and batch MS/MSD. Batch Blank was with acceptance criteria. Bias indicated by the elevated recoveries are not considered sample related.



SIMALABS International

Date: Tuesday, January 16, 2001

CLIENT:

Weaver Boos & Gordon, Inc.

Project: Lab Order: 0072-01-14 / Feddeler C & D Facility

ME0012317 12/29/2000

Date Received:

Work Order/ Sample Delivery

Group Summary

Lab Sample ID	Client Sample ID	Client Description	Collection Date
ME0012317-01A	MW-1	Groundwater	28-Dec-00
ME0012317-01B	MW-1	Groundwater	28-Dec-00
ME0012317-01C	MW-1	Groundwater	28-Dec-00
ME0012317-01D	MW-1	Groundwater	28-Dec-00
ME0012317-01E	MW-1	Groundwater	28-Dec-00
ME0012317-02A	MW-8	Groundwater	28-Dec-00
ME0012317-02B	MW-8	Groundwater	28-Dec-00
ME0012317-02C	MW-8	Groundwater	28-Dec-00
ME0012317-02D	MW-8	Groundwater	28-Dec-00
ME0012317-02E	MW-8	Groundwater	28-Dec-00
ME0012317-03A	MW-6	Groundwater	28-Dec-00
ME0012317-03B	MW-6	Groundwater	28-Dec-00
ME0012317-03C	MW-6	Groundwater	28-Dec-00
ME0012317-03D	MW-6	Groundwater	28-Dec-00
ME0012317-03E	MW-6	Groundwater	28-Dec-00
ME0012317-04A	FB	Field Blank	28-Dec-00
ME0012317-04B	FB	Field Blank	28-Dec-00
ME0012317-04C	FB	Field Blank	28-Dec-00
ME0012317-04D	FB	Field Blank	28-Dec-00
ME0012317-04E	FB	Field Blank	28-Dec-00
ME0012317-05A	EB	Equip. Blank	28-Dec-00
ME0012317-06A	MW-2	Groundwater	28-Dec-00
ME0012317-06B	MW-2	Groundwater	28-Dec-00
ME0012317-06C	MW-2	Groundwater	28-Dec-00
ME0012317-06D	MW-2	Groundwater	28-Dec-00
ME0012317-06E	MW-2	Groundwater	28-Dec-00
ME0012317-07A	MW-7	Groundwater	29-Dec-00
ME0012317-07B	MW-7	Groundwater	29-Dec-00
ME0012317-07C	MW-7	Groundwater	29-Dec-00
ME0012317-07D	MW-7	Groundwater	29-Dec-00
ME0012317-07E	MW-7	Groundwater	29-Dec-00
ME0012317-08A	MW-9	Groundwater	29-Dec-00
ME0012317-08B	MW-9	Groundwater	29-Dcc-00
ME0012317-08C	MW-9	Groundwater	29-Dec-00



CLIENT:

Weaver Boos & Gordon, Inc.

Project:

0072-01-14 / Feddeler C & D Facility

Work Order/ Sample Delivery

Group Summary

Lab Order:

ME0012317

Date Received:

Lab Sample ID	Client Sample ID	Client Description	Collection Date
ME0012317-08D	MW-9	Groundwater	29-Dec-00
ME0012317-08E	MW-9	Groundwater	29-Dec-00
ME0012317-09A	MW-14	Groundwater	29-Dec-00
ME0012317-09B	MW-14	Groundwater	29-Dec-00
ME0012317-09C	MW-14	Groundwater	29-Dec-00
ME0012317-09D	MW-14	Groundwater	29-Dec-00
ME0012317-09E	MW-14	Groundwater	29-Dec-00
ME0012317-10A	Trip Blank	Trip Blank	29-Dec-00



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Client Sample ID:

Work Order: SIMALABS ID: ME0012317 ME0012317-01A

Sample Description:

Groundwater

Sample Matrix:

Aqueous 12/28/00

Collection Date:

12/29/00

Date Received:

MW-1

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Date: 1/5/200	1 Ar	nalyst: DG
Nitrogen, Ammonia (As N)	Α	ND	0.1	mg/L	1	01/08/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-01B

Client Sample ID:

,

Sample Description:

Groundwater

Sample Matrix: Collection Date:

Aqueous 12/28/00

Date Received:

12/29/00

MW-1

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS		Method: S	W9066	Prep Date: 1/8/2001	Ar	alyst: DG
Phenolics, Total Recoverable	Α	ND	0.01	mg/L	1	01/11/01

I -Matrix Interference

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

2 6777 4

Work Order: SIMALABS ID: ME0012317 ME0012317-01C

Client Sample ID: Sample Description: MW-1

Sample Description.
Sample Matrix:

Groundwater Aqueous

Collection Date:

12/28/00

Date Received:

analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed		
OLATILE ORGANICS	· · · · · · · · · · · · · · · · · · ·	Method: SW8260B		Prep Date:	Ar	Analyst: CLR		
Benzene	Α	ND	5	µg/L	1	01/04/01		
2-Butanone	A	ND	10	μg/L	1	01/04/01		
1,1-Dichloroethane	A	ND	5	μg/L	1	01/04/01		
cis-1,2-Dichloroethene	Ā	ND	5	µg/L	1	01/04/01		
trans-1,2-Dichloroethene	Α	ND	5	µg/L	1	01/04/01		
Ethylbenzene	A	ND	5	µg/L	1	01/04/01		
Methylene chloride	A	ND	5	µg/L	1	01/04/01		
Toluene	A	ND	5	µg/L	1	01/04/01		
Surr: Toluene-d8	S	93	88-110	% REC	1	01/04/01		
Surr: 4-Bromofluorobenzene	S	97	86-115	% REC	1	01/04/01		
Surr: Dibromofluoromethane	S	98	86-118	% REC	1	01/04/01		
Surr: 1,2-Dichloroethane-d4	S	99	80-120	% REC	1	01/04/01		



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-01D

Client Sample ID:

:

Sample Description:

Groundwater

Sample Matrix: Collection Date:

Aqueous 12/28/00

Date Received:

12/29/00

MW-1

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: S	W7060A	Prep Date: 1/5/20	001 A	nalyst: JEK
Arsenic	Α	ND	0.01	mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SW6010B		Prep Date: 1/5/20	001 A	nalyst: JEK
Barium	Α	0.095	0.01	mg/L	1	01/05/01
Sodium	A	9.1	. 2	mg/L	1	01/05/01

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order: SIMALABS ID:

ME0012317 ME0012317-01E

Client Sample ID: Sample Description: MW-1

Groundwater Aqueous

Sample Matrix: Collection Date:

12/28/00

Date Received:

12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: N	14500-CL B	Prep Da	ate:	Ar	alyst: JG
Chloride	A	23	1		mg/L	1	01/05/01
BULFATE		Method: E	375.4	Prep Da	ate:	Ar	alyst: DG
Sulfate	A	90	100		mg/L	10	01/04/01

I -Matrix Interference



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-02A

Client Sample ID:

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/28/00

MW-8

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Da	ite: 1/5/2001	An	alyst: DG
Nitrogen, Ammonia (As N)	A	0.38	0.1		mg/L	1	01/08/01

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-02B

Client Sample ID:

MW-8 Groundwater

Sample Description: Sample Matrix:

Aqueous 12/28/00

Collection Date: Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS	•	Method: S	W9066	Prep Date: 1/8/2001	An	alyst: DG
Phenolics, Total Recoverable	Α	ND	0.01	mg/L	1	01/11/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

MW-8

Work Order: SIMALABS ID:

ME0012317 ME0012317-02C

Sample Description:

Groundwater

Sample Matrix: Collection Date:

Client Sample ID:

Aqueous 12/28/00

Date Received:

analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
OLATILE ORGANICS		Method: St	W8260B	Prep Date:	Ar	nalyst: CLR
Benzene	Α	ND	5	µg/L	1	01/04/01
2-Butanone	Α	ND	10	μg/L	1	01/04/01
1,1-Dichloroethane	Α	ND	5	μg/L	1	01/04/01
cis-1,2-Dichloroethene	Α	ND	5	µg/L	1	01/04/01
trans-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/04/01
Ethylbenzene	Α	ND	5	µg/L	1	01/04/01
Methylene chloride	Α	ND	5	μg/L	1	01/04/01
Toluene	Α	ND	5	µg/L	1	01/04/01
Surr: Toluene-d8	S	90	88-110	% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	98	86-115	% REC	1	01/04/01
Surr: Dibromofluoromethane	S	96	86-118	% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	100	80-120	% REC	1	01/04/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-02D

Client Sample ID:

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/28/00

Date Received:

12/29/00

MW-8

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: S	W7060A	Prep Date: 1/5/2001	Ar	alyst: JEK
Arsenic	Α	ND	0.01	mg/L	1	01/08/01
DISSOLVED METALS BY ICP		Method: SI	W6010B	Prep Date: 1/5/2001	Ar	nalyst: JEK
Barium	Α	0.19	0.01	mg/L	1	01/05/01
Sodium	Α	21	2	mg/L	1	01/05/01

I -Matrix Interference

SD - Value diluted out

R - RPD outside accepted recovery limits



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order: SIMALABS ID:

ME0012317 ME0012317-02E

Client Sample ID:

MW-8

Sample Description:

Groundwater Aqueous

Sample Matrix: Collection Date:

12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: I	M4500-CL B	Prep D	ate:	Ar	alyst: JG
Chloride	A		1 1		mg/L	1	01/05/01
SULFATE		Method: I	375.4	Prep D	ate:	Ar	alyst: DG
Sulfate	A	1.	4 10		mg/L	1	01/04/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-03A

Client Sample ID:

:

Sample Description:

Groundwater

Sample Matrix: Collection Date:

Aqueous 12/28/00

Date Received:

12/29/00

MW-6

Analyses	Samp Type	Result	Reporting Limit	Qual Unit	ts	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Date: 1	/5/2001	An	alyst: DG
Nitrogen, Ammonia (As N)	Α	0.1	0.1	mg/L		1	01/08/01

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-03B

Client Sample ID:

MW-6

Sample Description:

Groundwater

Sample Matrix: Collection Date:

Aqueous 12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS	,	Method: S	W9066	Prep Date: 1/8/2001	An	alyst: DG
Phenolics, Total Recoverable	Α	ND	0.01	mg/L	1	01/11/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-03C

Client Sample ID:

MW-6

Sample Description:

Groundwater Aqueous

Sample Matrix: Collection Date:

12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed	
OLATILE ORGANICS		Method: SW8260B		Prep Date:	Analyst: CLR		
Benzene	Α	ND	5	µg/L	1	01/04/01	
2-Butanone	Α	ND	10	µg/L	1	01/04/01	
1,1-Dichloroethane	Α	ND	5	μg/L	1	01/04/01	
cis-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/04/01	
trans-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/04/01	
Ethylbenzene	Α	ND	5	µg/L	1	01/04/01	
Methylene chloride	Α	ND	5	µg/L	1	01/04/01	
Toluene	A	ND	5	μg/L	1	01/04/01	
Surr: Toluene-d8	S	91	88-110	% REC	1	01/04/01	
Surr: 4-Bromofluorobenzene	S	97	86-115	% REC	1	01/04/01	
Surr: Dibromofluoromethane	S	94	86-118	% REC	1	01/04/01	
Surr: 1,2-Dichloroethane-d4	S	99	80-120	% REC	1	01/04/01	

SD - Value diluted out

R - RPD outside accepted recovery limits



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-03D

Client Sample ID:

MW-6

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: St	W7060A	Prep Date	e: 1/5/2001	An	alyst: JEK
Arsenic	Α	ND	0.01	m	g/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: St	W6010B	Prep Date	: 1/5/2001	An	alyst: JEK
Barium	Α	0.11	0.01	m	g/L	1	01/05/01
Sodium	A	9.6	2	m	g/L	1	01/05/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-03E

Client Sample ID: Sample Description:

ı:

Groundwater

Sample Matrix:

Aqueous 12/28/00

Collection Date: Date Received:

12/29/00

MW-6

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M	4500-CL B	Prep Da	ate:	An	alyst: JG
Chloride	Α	13	1		mg/L	1	01/05/01
SULFATE		Method: E	375.4	Prep Da	ate:	An	alyst: DG
Sulfate	Α	88	100		mg/L	10	01/04/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-04A

Client Sample ID:

Sample Description:

Field Blank Aqueous

Sample Matrix: Collection Date:

12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Date: 1/5/2001	Ar	nalyst: DG
Nitrogen, Ammonia (As N)	Α	ND	0.1	mg/L	1	01/08/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-04B

Client Sample ID:

Sample Description:

FB

Sample Matrix:

Field Blank Aqueous 12/28/00

Collection Date: Date Received:

12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual Un	nits	DF	Date Analyzed
PHENOLICS	•	Method: S	W9066	Prep Date:	1/8/2001	An	alyst: DG
Phenolics, Total Recoverable	Α	ND	0.01	mg/l	L	1	01/11/01

DF - Dilution Factor



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Client Sample ID:

Work Order:

ME0012317

Sample Description:

SIMALABS ID:

ME0012317-04C

Sample Matrix:

Field Blank Aqueous 12/28/00

Collection Date: Date Received:

analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed	
OLATILE ORGANICS		Method: SW8260B		Prep Date:		Analyst: CLR		
Benzene	Α	ND	5	μ	g/L	1	01/04/01	
2-Butanone	Α	ND	10	μ	g/L	1	01/04/01	
1,1-Dichloroethane	Α	ND	5	μ	g/L	1	01/04/01	
cis-1,2-Dichloroethene	Α	ND	5	μ	g/L	1	01/04/01	
trans-1,2-Dichloroethene	Α	ND	5	μ	g/L	1	01/04/01	
Ethylbenzene	A	ND	5	μ	g/L	1	01/04/01	
Methylene chloride	Α	ND	5	μ	g/L	1	01/04/01	
Toluene	A	ND	5	μ	g/L	1	01/04/01	
Surr: Toluene-d8	S	98	88-110	%	6 REC	1	01/04/01	
Surr: 4-Bromofluorobenzene	S	98	86-115	%	6 REC	1	01/04/01	
Surr: Dibromofluoromethane	S	96	86-118	%	REC	1	01/04/01	
Surr: 1,2-Dichloroethane-d4	S	99	80-120	%	6 REC	1	01/04/01	



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-04D

Client Sample ID:

FB

Sample Description:

Field Blank Aqueous

Sample Matrix: Collection Date:

12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SV	N7060A	Prep Date: 1/5/2001	Ar	nalyst: JEK
Arsenic	Α	ND	0.01	mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SV	V6010B	Prep Date: 1/5/2001	Ar	nalyst: JEK
Barium	Α	ND	0.01	mg/L	1	01/05/01
Sodium	Α	ND	2	mg/L	1	01/05/01

B - Detected in the associated Method Blank * - Exceeds Maximum Contaminant Level



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Client Sample ID:

FB

Work Order: SIMALABS ID:

ME0012317 ME0012317-04E

Sample Description:

Field Blank

Sample Matrix:

Aqueous 12/28/00

Collection Date: Date Received:

12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: N	14500-CL B	Prep Da	ate:	An	alyst: JG
Chloride	Α	2	1		mg/L	1	01/05/01
SULFATE		Method: E	375.4	Prep Da	ate:	An	alyst: DG
Sulfate	Α	ND	10		mg/L	1	01/04/01

I -Matrix Interference

SD - Value diluted out

E - Value above quantitation range



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-05A

Client Sample ID:

EB

Sample Description:

Equip. Blank

Sample Matrix: Collection Date:

Aqueous 12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SV	V7060A	Prep Date: 1/5/2001	Ar	nalyst: JEK
Arsenic	Α	ND	0.01	mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SW6010B		Prep Date: 1/5/2001	Analyst: JEK	
Barium	Α	ND	0.01	mg/L	1	01/05/01
Sodium	Α	ND	2	mg/L	1	01/05/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-06A

Client Sample ID:

MW-2

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/28/00

Date Received:

12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Da	te: 1/5/2001	An	alyst: DG
Nitrogen, Ammonia (As N)	Α	0.99	0.1		mg/L	1	01/08/01

DF - Dilution Factor



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-06B

Client Sample ID:

MW-2

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/28/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS		Method: S	W9066	Prep Date: 1/8/2001	Ar	nalyst: DG
Phenolics, Total Recoverable	А	ND	0.01	mg/L	1	01/11/01

SD - Value diluted out

R - RPD outside accepted recovery limits



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-06C

Client Sample ID:

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/28/00

Date Received:

12/29/00

MW-2

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
OLATILE ORGANICS		Method: SW8260B		Prep Date:	Ar	alyst: CLR
Benzene	Α	ND	5	µg/L	1	01/04/01
2-Butanone	A	ND	10	µg/L	1	01/04/01
1,1-Dichloroethane	А	ND	5	µg/L	1	01/04/01
cis-1,2-Dichloroethene	Α	ND	5	µg/L	1	01/04/01
trans-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/04/01
Ethylbenzene	Α	ND	5	μg/L	1	01/04/01
Methylene chloride	A	ND	5	μg/L	1	01/04/01
Toluene	A	ND	5	µg/L	1	01/04/01
Surr: Toluene-d8	S	96	88-110	% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	98	86-115	% REC	1	01/04/01
Surr: Dibromofluoromethane	S	96	86-118	% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	103	80-120	% REC	1	01/04/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-01-14 / Feddeler C & D

ME0012317

ME0012317-06D

Client Sample ID:

MW-2

Sample Description:

Groundwater

Sample Matrix:

Aqueous 12/28/00

Collection Date:

Date Received:	Date	Received:
----------------	------	-----------

Analyses	Samp Type	Result	Reporting Limit	Qual 1	J nits	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: S1	N7060A	Prep Date	: 1/5/2001	Ar	alyst: JEK
Arsenic	Α	ND	0.01	m	g/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SI	W6010B	Prep Date	: 1/5/2001	Ar	alyst: JEK
Barium	Α	0.43	0.01	m	g/L	1	01/05/01
Sodium	Α	190	4	m	g/L	2	01/06/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-06E

Client Sample ID:

MW-2

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/28/00

Date Received:

12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE	· · · · · ·	Method: M	4500-CL B	Prep Da	ite:	An	alyst: JG
Chloride	A	460	1		mg/L	1	01/05/01
SULFATE		Method: E3	375.4	Prep Da	ite:	An	alyst: DG
Sulfate	A	150	100		mg/L	10	01/04/01

I -Matrix Interference



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-01-14 / Feddeler C & D

ME0012317

ME0012317-07A

Client Sample ID:

MW-7

Sample Description:

Groundwater

Sample Matrix:

Aqueous

Collection Date:

12/29/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Date: 1/5/200	01 A	nalyst: DG
Nitrogen, Ammonia (As N)	Α	11	0.1	mg/L	1	01/08/01

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

ME0012317

Client Sample ID:

Work Order:

Sample Description:

Groundwater

SIMALABS ID:

ME0012317-07B

Sample Matrix: Collection Date: Aqueous 12/29/00

MW-7

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS		Method: S	W9066	Prep Date: 1/8/200	1 A	nalyst: DG
Phenolics, Total Recoverable	Α	ND	0.01	mg/L	1	01/11/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-01-14 / Feddeler C & D

ME0012317

ME0012317-07C

Client Sample ID:

MW-7

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/29/00

Date Received:

nalyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed		
OLATILE ORGANICS				Prep Date:	Ar	Analyst: CLR		
Benzene	Α	ND	5	µg/L	1	01/04/01		
2-Butanone	A	ND	10	µg/L	1	01/04/01		
1,1-Dichloroethane	Α	ND	5	µg/L	1	01/04/01		
cis-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/04/01		
trans-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/04/01		
Ethylbenzene	Α	ND	5	µg/L	1	01/04/01		
Methylene chloride	Α	ND	5	µg/L	1	01/04/01		
Toluene	Α	ND	5	µg/L	1	01/04/01		
Surr: Toluene-d8	S	95	88-110	% REC	1	01/04/01		
Surr: 4-Bromofluorobenzene	S	96	86-115	% REC	1	01/04/01		
Surr: Dibromofluoromethane	S	92	86-118	% REC	1	01/04/01		
Surr: 1,2-Dichloroethane-d4	S	98	80-120	% REC	1	01/04/01		

ND - Not Detected at the Reporting Limit B - Detected in the associated Method Blank

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-07D

Client Sample ID:

MW-7

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/29/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual U	Jnits	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: St	W7060A	Prep Date	: 1/5/2001	An	alyst: JEK
Arsenic	Α	ND	0.01	m	g/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SI	W6010B	Prep Date	: 1/5/2001	An	alyst: JEK
Barium	Α	0.32	0.01	m	g/L	1	01/05/01
Sodium	A	92	2	mg	g/L	1	01/05/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Client Sample ID:

MW-7

Work Order: SIMALABS ID:

ME0012317 ME0012317-07E

Sample Description:

Groundwater

Sample Matrix:

Aqueous 12/29/00

Collection Date:

Date	Rece	ived:

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M	4500-CL B	Prep Da	ate:	An	alyst: JG
Chloride	Α	940	1		mg/L	1	01/05/01
SULFATE		Method: E3	375.4	Prep Da	ate:	An	alyst: DG
Sulfate	Α	50	30		mg/L	10	01/04/01

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

MW-9

ME0012317

Client Sample ID: Sample Description:

Work Order: SIMALABS ID:

ME0012317-08A

Sample Matrix:

Groundwater Aqueous 12/29/00

Collection Date: Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual U	Jnits	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Date:	1/5/2001	Ana	alyst: DG
Nitrogen, Ammonia (As N)	Α	1.7	0.1	mg	g/L	1	01/08/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-01-14 / Feddeler C & D

ME0012317

ME0012317-08B

Client Sample ID:

MW-9

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 12/29/00

Date Received:

Analyses	Samp Type		Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS		Method: S	W9066	Prep Date: 1/8/20	01 A	nalyst: DG
Phenolics, Total Recoverable	Α	0.013	0.01	mg/L	1	01/11/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-08C

Client Sample ID: Sample Description: MW-9

Groundwater

Sample Matrix: Collection Date: Aqueous 12/29/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
OLATILE ORGANICS		Method: SW8260B		Prep Date:	Analyst: CLR	
Benzene	Α	ND	5	µg/L	1	01/04/01
2-Butanone	Α	ND	10	µg/L	1	01/04/01
1,1-Dichloroethane	А	ND	5	μg/L	1	01/04/01
cis-1,2-Dichloroethene	Α	ND	5	µg/L	1	01/04/01
trans-1,2-Dichloroethene	A	ND	5	µg/L	1	01/04/01
Ethylbenzene	A	ND	5	µg/L	1	01/04/01
Methylene chloride	Α	ND	5	μg/L	1	01/04/01
Toluene	Α	ND	5	µg/L	1	01/04/01
Surr: Toluene-d8	S	95	88-110	% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	99	86-115	% REC	1	01/04/01
Surr: Dibromofluoromethane	S	94	86-118	% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	101	80-120	% REC	1	01/04/01

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order: SIMALABS ID: ME0012317

ME0012317-08D

Client Sample ID:

MW-9

Sample Description:

Groundwater

Sample Matrix:

Aqueous 12/29/00

Collection Date: Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: S	W7060A	Prep Date: 1/5/2001	l Ai	nalyst: JEK
Arsenic	Α	ND	0.01	mg/L	1	01/07/01
DISSOLVED METALS BY ICP	Method: SW6010B P		Prep Date: 1/5/2001	l Aı	Analyst: JEK	
Barium	Α	0.15	0.01	mg/L	1	01/05/01
Sodium	Α	31	2	mg/L	1	01/05/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-08E

Client Sample ID:

.

Sample Description:

Groundwater

Sample Matrix: Collection Date:

Aqueous 12/29/00

MW-9

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: N	4500-CL B	Prep Da	ite:	An	alyst: JG
Chloride	Α	40	1	,	mg/L	1	01/05/01
SULFATE		Method: E	375.4	Prep Da	ite:	An	alyst: DG
Sulfate	Α	34	100		mg/L	10	01/04/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-01-14 / Feddeler C & D

ME0012317

ME0012317-09A

Client Sample ID:

MW-14

Sample Description:

Groundwater

Sample Matrix:

Aqueous 12/29/00

Collection Date:

Date Received:

12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Date: 1/5/200	1 Ar	nalyst: DG
Nitrogen, Ammonia (As N)	Α	1.1	0.1	mg/L	1	01/08/01

* - Exceeds Maximum Contaminant Level

SD - Value diluted out



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-09B

Client Sample ID: Sample Description: MW-14 Groundwater

Sample Matrix: Collection Date: Aqueous 12/29/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS		Method: S	W9066	Prep Date: 1/8/20	01 Ar	nalyst: DG
Phenolics, Total Recoverable	Α	0.017	0.01	mg/L	1	01/11/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order:

ME0012317

SIMALABS ID:

ME0012317-09C

Client Sample ID:

MW-14

Sample Description: Sample Matrix:

Groundwater

Collection Date:

Aqueous 12/29/00

Date Received:

12/29/00

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
OLATILE ORGANICS		Method: S	W8260B	Prep Date:	Ar	alyst: CLR
Benzene	Α	ND	5	µg/L	1	01/04/01
2-Butanone	Α	ND	10	μg/L	1	01/04/01
1,1-Dichloroethane	Α	ND	5.	μg/L	1	01/04/01
cis-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/04/01
trans-1,2-Dichloroethene	Α	ND	5	µg/L	1	01/04/01
Ethylbenzene	Α	ND	5	μg/L	1	01/04/01
Methylene chloride	Α	ND	5	μg/L	1	01/04/01
Toluene	Α	ND	5	μg/L	1	01/04/01
Surr: Toluene-d8	S	96	88-110	% REC	1	01/04/01
Surr: 4-Bromofluorobenzene	S	98	86-115	% REC	1	01/04/01
Surr: Dibromofluoromethane	S	96	86-118	% REC	1	01/04/01
Surr: 1,2-Dichloroethane-d4	S	102	80-120	% REC	1	01/04/01

I -Matrix Interference

S - Spike recovery outside recovery limits

SD - Value diluted out

R - RPD outside accepted recovery limits



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Client Sample ID:

MW-14

Work Order: SIMALABS ID: ME0012317 ME0012317-09D

Sample Description:

Groundwater

Sample Matrix:

Aqueous

Collection Date:

12/29/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SI	W7060A	Prep Date: 1/5/2001	Ar	alyst: JEK
Arsenic	Α	ND	0.01	mg/L	1	01/07/01
DISSOLVED METALS BY ICP		Method: SV	V6010B	Prep Date: 1/5/2001	An	alyst: JEK
Barium	Α	0.43	0.01	mg/L	1	01/05/01
Sodium	A	190	4	mg/L	2	01/06/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order: SIMALABS ID: ME0012317 ME0012317-09E

Client Sample ID: Sample Description:

MW-14 Groundwater

Sample Matrix: Collection Date: Aqueous 12/29/00

Date Received:

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M	4500-CL B	Prep Da	ate:	An	alyst: JG
Chloride	A	480	1		mg/L	1	01/05/01
SULFATE		Method: E	375.4	Prep Da	ite:	An	alyst: DG
Sulfate	A	150	100		mg/L	10	01/04/01



Date:

Tuesday, January 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-01-14 / Feddeler C & D

Work Order: SIMALABS ID: ME0012317

ME0012317-10A

Trip Blank

Client Sample ID: Sample Description:

Trip Blank

Sample Matrix: Collection Date:

Aqueous

Date Received:

12/29/00 12/29/00

analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
OLATILE ORGANICS		Method: SI	W8260B	Prep Date:	Ar	alyst: CLR
Benzene	Α	ND	5	µg/L	1	01/08/01
2-Butanone	Α	ND	10	µg/L	1	01/08/01
1,1-Dichloroethane	Α	ND	5	μg/L	1	01/08/01
cis-1,2-Dichloroethene	Α	ND	5	μg/L	1	01/08/01
trans-1,2-Dichloroethene	А	ND	5	µg/L	1	01/08/01
Ethylbenzene	Α	ND	5	µg/L	1	01/08/01
Methylene chloride	Α	ND	5	µg/L	1	01/08/01
Toluene	Α	ND	5	µg/L	1	01/08/01
Surr: Toluene-d8	S	95	88-110	% REC	1	01/08/01
Surr: 4-Bromofluorobenzene	S	97	86-115	% REC	1	01/08/01
Surr: Dibromofluoromethane	S	100	86-118	% REC	1	01/08/01
Surr: 1,2-Dichloroethane-d4	S	99	80-120	% REC	1	01/08/01

B - Detected in the associated Method Blank SD - Value diluted out

^{* -} Exceeds Maximum Contaminant Level

SIMALABS International

250 W. 84th Drive Merrillville, IN 46410 (219) 769-8378

COOLER INSPECTION

Friday, December 29, 2000

Client Name: WEAVER B	300S	,			Date /	Time F	Received:		<u>12/29/00</u>
Nork Order Number ME	0012317 /	J		,	Receiv	ed by:	MDC	• -	. \
Checklist completed by:	1/m An	1 CTh	12/29,	100	Review	ved by:	NW	n	12-29-00
Sig	gnature/		Daté				Initials		Date
		Carrier na	me: <u>Clier</u>	nt Delive	ered				
Shipping container/cooler in	a good condition?		Yes	V	No 🗆	1	Not Present		
Custody seals intact on shi	_		Yes		No 🗆		Not Present	\checkmark	
Custody seals intact on sar	· · · · · ·		Yes		No □		Not Present	\checkmark	
Chain of custody present?			Yes	\checkmark	No 🗆				
Chain of custody signed wh	nen relinquished and recei	ved?	Yes		No 🗌				
Chain of custody agrees wi	th sample labels?		Yes	V	No _				
Samples in proper containe			Yes		No L				
Samples properly preserved	d?		Yes		No L	1			
Sample containers intact?			Yes		No L] 1			
Sufficient sample volume for			Yes		No L] 1			
All samples received within	noiding time?		Yes	V	No L]]			
Samples received on ice? Container/Temp Blank tem	noraturo		Yes	Temp:	No └	ı			
On vials have zero heads		No VOA vials		Temp.	yes		No 🗹		
Vater - pH acceptable upo	r -: ·	No Water su		П	Yes		No 🗆		
valer - pri acceptable upo	ii receipt !	140 VValer Su	Directo		163	•	110		
						11			
	Ac	ljusted?			Checked by	1	<u> </u>	_	
Sample ID	Client Sample ID		** * * * * * * * * * * * * * * * * * * *			Con	nments		
ME0012317-01A	MW-1								
ME0012317-01B	MW-1	<u> </u>							
ME0012317-01C	MW-1								
ME0012317-01D	MW-1				•				
ME0012317-01E	MVV-1	+							
ME0012317-02A	MW-8								
ME0012317-02B	MW-8					····			
ME0012317-02C	MW-8				 				M—————————————————————————————————————
ME0012317-02D	MW-8							 ,	
ME0012317-02E	MW-8								
ME0012317-03A	MW-6								
ME0012317-03B	MW-6								
ME0012317-03C	MW-6								
ME0012317-03D	MW-6								
ME0012317-03E	MW-6	-		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
ME0012317-04A	FB								
ME0012317-04A	FB						,,		
ME0012317-04C	FB								
ME0012317-04D	j FB	1							

Sample ID	Client Sample ID	Comments	
ME0012317-04E	FB		
ME0012317-05A	ЕВ		
ME0012317-06A	MW-2		
ME0012317-06B	MW-2		
ME0012317-06C	MW-2		
ME0012317-06D	MW-2		
ME0012317-06E	MW-2		
ME0012317-07A	MW-7		
ME0012317-07B	MW-7		
ME0012317-07C	MW-7		
ME0012317-07D	MW-7		
ME0012317-07E	MW-7		
ME0012317-08A	MW-9		
ME0012317-08B	MW-9		
ME0012317-08C	MW-9		
ME0012317-08D	· MW-9		
ME0012317-08E	MW-9		
ME0012317-09A	MW-14		
ME0012317-09B	MW-14		
ME0012317-09C	MW-14		
ME0012317-09D	MW-14		
ME0012317-09E	MW-14		
ME0012317-10A	Trip Blank	Bubbles in both vials.	

Regarding:

Contacted by:

)

SIMALABS

INTERNATIONAL

CHAIN OF CUSTODY
Number 30484

250 West 84th. Drive Merrillville, IN 46410 Tel: 219-769-8378 / 800-536-8379 Fax: 219-769-1664

Time Sampler Signature Matter Con- Matrix Ed Con- M	ax: 219-769-1664 Client Wealver Boos Address 200 S. With Contact Person Will Contact Person Contact Person Contact Person Send results: Telephone (Fax) E-Mail (Circle one) Bill to Address: SAME AS	Weaver Boos & Goodon INC 200 S. Wichigan Are. Ste 900 Chicaco, 1 L LOLOLUY Person Mille Maxwell sults: Telephone (Fax) E-Mail / Telephone No. (312) 922-1030 Address: SAME AS ABOLE	Project Name: Feddeler Land Location: Low ELL /N Turnaround Time (Circle One): Rush: (Please notify lab prior to deliv 24-Hours 48-Hours 7 Fax No: (8/2) 922-020	Page of
		Sampler Signature:	Filtered (Y/N) Preserved Ammonix AMEMOL Preserved AMEMOL SI	5701
12/28/00 1002 6 ROUNDWATER 4 W NY X X X X X X X X X X X X X X X X X X	MW-1 12/28/00 0921	4	× >>> Z >	
12/28/00 1002 6 ROUNDWATEL 4 W NY X X X X X X X X X X X X X X X X X X	11 . 13	11	× ×	
12/28/00 1157 (5/20/NDV-ATER 4 W NY X X V V V X X V V X X X V V X X X V V X X X V V X X X V V X X V V X X X V V X X V V X X X V V X X X V V X X X V V X X X X V V X X X X V X	Myl-8 12/28/00 1002		X	
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IENTS: * ANALYZE FOL PARATERS AMMINIM MOTO 1015	1 1 _	FIELD PAANK	X	
	COMMENTS: + ANALY		d By (signature) Date Time DIS DI	ved By (signature

Relinquished By (signature)

SIMALABS

INTERNATIONAL

250 West 84th. Drive Merrillville, IN 46410 Tel: 219-769-8378 / 800-536-8379 Fax: 219-769-1664

CHAIN OF CUSTODY
Number 29585

Page Z of S

					Page () ot
Client WEAVER BOOS & GORDON, INC.	Project Name		EDSELER LANDFIL	FILL	Project No. 072-01-14	7-10-14
Address 200 S. MICHGARAPE, STE 900	Location:				Purchase Order No.	DI-10-1
CHCAGO, 1C	Turnaro	Turnaround Time (Circle One)	le One):			
Contact Person	Rush	(Plea	(Please notify lab prior to delivery.)	егу.)		(
1	24	24-Hours	48-Hours 7.	72-Hours	5 Days	(7-10 Days
Send results: Telephone Fax / E-Mail / Telephone No: (312) 922-103	Fax No.	(312)	922-120	E-Mail:		
Bill to Address: SAME AS ABOVIS						
-			ANALYSIG	REQUESTED		
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	Jo # ()		100 (H) (N)	<u></u>		Lahoratory
Sample # Date Time Sample Description	Con- Matrix tainers	- Z Filtere Preser	Amm Tald PHEA 230	0 N		Identification
FB 12/28/al 0820 FIELD BLANK	<u>ح</u>	777	X	39	12317	1-04-D
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FB 12/29/00/25 EDVIPMENT BLANK	3	7 7	\times			05 A
MW-2 12/28/00 MOZ GROUND WATER	7	クロ	X X	X		2- H 90
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MW-9 12/2010 0830 1200 NOW ATER	7 2	70	X X	<u></u>		08 A-4
COMMENTS: * SEE PAGE ONE OF CHAIN OF	Reinquished By (sign)	BUTT	Datey Times JSD 4/20 10S	Received By (signature):	lure):	Date / Time:
(VSTSV)	Refinquished By (signatur	mature):	Date / Time:	Received By (signature)	lure):	Date / Time:
)		111	111	
	— Relinquished By (signature):	mature).	Date / Time:	Received for Jaby B.	(Signardre): 12	25/07 10/5
				AAAAA		

SIMALABS

INTERNATIONAL

CHAIN OF CUSTODY

Number 30485

250 West 84th. Drive Merrillville, IN 46410 Tel: 219-769-8378 / 800-536-8379 Fax: 219-769-1664

Identification 19 TR Laboratory Date / Time: Date / Time: Page $\frac{2}{3}$ of $\frac{3}{3}$ 7-10 Day (180--104 Project No. 01-14 9 047317 5 Days seeived By (signature): Received By (signature) ANALYSIS REQUESTED E-Mail: LANDERC Received 72-Hours (Please notify lab prior to delivery.) 080-866 -EDDELIZE Date / Time Turnaround Time (Circle One): Location: (DVJELL 2 Filtered Project Name 24-Hours Relinquished By (signature) Matrix 3 Fax No: Rush: tainers # of Con-933-1031 Sampler Signature Sample Description Client Weaver 1500S & Gordon, INC (315) 1 CONNO WATER AS ABONE Send results: Telephone (Fax) F-Mail / Telephone No./ UStoku SXSE/ SRE 0830 M1827 Time Bill to Address: SAND AMANDA KRINT hicago Address 200 S. Contact Person Date ŏ COMMENTS: () MC41 V Sample # SW 2 Y



March 16, 2001



Mike Maxwell Weaver Boos & Gordon, Inc. 200 South Michigan, Suite 900 Chicago, IL 60604 MAR 22 2001

WEAVER BOOS & GORDON, INC.

RE: 0072-02-11 / Feddeler C & D Facility

Work Order: ME0103048

Dear Mike Maxwell,

Enclosed are the results for the 3 Samples we received on Monday, March 05, 2001 for the analyses presented in the following report.

All data included has been reviewed for and meets all project specific and Quality Control requirements, unless otherwise noted.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,

SIMALABS International

Project Manager

Enclosures



SIMALABS International

Date: Friday, March 16, 2001

CLIENT:

Weaver Boos & Gordon, Inc.

Project:

0072-02-11 / Feddeler C & D Facility

Lab Order:

ME0103048

Work Order/ Sample Delivery

Group Summary

Date Received: 3/5/2001

Lab Sample ID	Client Sample ID	Client Description	Collection Date
ME0103048-01A	MW-12	Groundwater	05-Mar-01
ME0103048-01B	MW-12	Groundwater	05-Mar-01
ME0103048-01C	MW-12	Groundwater	05-Mar-01
ME0103048-01D	MW-12	Groundwater	05-Mar-01
ME0103048-01E	MW-12	Groundwater	05-Mar-01
ME0103048-02A	MW-13	Groundwater	05-Mar-01
ME0103048-02B	MW-13	Groundwater	05-Mar-01
ME0103048-02C	MW-13	Groundwater	05-Mar-01
ME0103048-02D	MW-13	Groundwater	05-Mar-01
ME0103048-02E	MW-13	Groundwater	05-Mar-01
ME0103048-03A	ТВ	Trip Blank	05-Mar-01



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

0072-02-11 / Feddeler C & D

Client Sample ID:

MW-12

Work Order: N SIMALABS ID: N

ME0103048 ME0103048-01A

Sample Description:

Groundwater

Sample Matrix:

Aqueous 03/05/01

Collection Date: Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Da	ate: 3/13/20	001 An	alyst: DG
Nitrogen, Ammonia (As N)	A	0.38	0.1		mg/L	1	03/14/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution FactorS - Spike recovery outside recovery limits

Qual:

T - Tentatively Identified Compound (TIC)
ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank

SD - Value diluted out

I -Matrix Interference

* - Exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits E - Value above quantitation range

1 of 11



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-02-11 / Feddeler C & D

Work Order:

ME0103048

SIMALABS ID:

ME0103048-01B

Client Sample ID:

MW-12

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 03/05/01

Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M	4500-CL B	Prep Da	ate:	Ar	nalyst: JG
Chloride	A	51	1		mg/L	1	03/14/01
SULFATE		Method: E	375.4	Prep Da	ate:	Ar	alyst: DG
Sulfate	A	150	10		mg/L	1	03/06/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

T - Tentatively Identified Compound (TIC)

DF - Dilution Factor S - Spike recovery outside recovery limits

I -Matrix Interference

Qual:

ND - Not Detected at the Reporting Limit

B - Detected in the associated Method Blank

SD - Value diluted out * - Exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-02-11 / Feddeler C & D

Work Order:

ME0103048

SIMALABS ID:

ME0103048-01C

Client Sample ID: Sample Description:

MW-12 Groundwater

Sample Matrix:

Aqueous 03/05/01

Collection Date: Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS		Method: S	W9066	Prep Date: 3/8/200	1 A	nalyst: DG
Phenolics, Total Recoverable	A	0.015	0.01	mg/L	1	03/09/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

S - Spike recovery outside recovery limits I -Matrix Interference

Qual:

ND - Not Detected at the Reporting Limit

B - Detected in the associated Method Blank

* - Exceeds Maximum Contaminant Level E - Value above quantitation range

R - RPD outside accepted recovery limits

SD - Value diluted out



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-02-11 / Feddeler C & D

Client Sample ID:

MW-12

Work Order: SIMALABS ID:

ME0103048 ME0103048-01D

Sample Description:

Groundwater

Sample Matrix:

Aqueous

Collection Date:

03/05/01

Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: SI	W7060A	Prep Dat	te: 3/6/2001	An	alyst: JEK
Arsenic	Α	ND	0.01	r	ng/L	1	03/08/01
DISSOLVED METALS BY ICP	1,,	Method: SI	V6010B	Prep Dat	te: 3/6/2001	An	alyst: JEK
Barium	Α	0.071	0.01	r	ng/L	1	03/09/01
Sodium	A	91	1	r	ng/L	1	03/09/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution Factor S - Spike recovery outside recovery limits

Qual:

T - Tentatively Identified Compound (TIC) ND - Not Detected at the Reporting Limit

B - Detected in the associated Method Blank * - Exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits

SD - Value diluted out

I -Matrix Interference

4 of 11

E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-02-11 / Feddeler C & D

Client Sample ID:

MW-12

Work Order: SIMALABS ID: ME0103048 ME0103048-01E

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 03/05/01

Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
OLATILE ORGANICS		Method: SV	W8260B	Prep Da	ite:	An	alyst: CLR
Benzene	Α	ND	5		µg/L	1	03/13/01
2-Butanone	Α	ND	10	-	µg/L	1	03/13/01
1,1-Dichloroethane	Α	ND	5		µg/L	1	03/13/01
cis-1,2-Dichloroethene	Α	ND	5		µg/L	1	03/13/01
trans-1,2-Dichloroethene	Α	ND	5		µg/L	1	03/13/01
Ethylbenzene	Α	ND	5		µg/L	1	03/13/01
Methylene chloride	Α	6.3	5	В	µg/L	1	03/13/01
Toluene	Α	ND	5		µg/L	1	03/13/01
Surr: Toluene-d8	S	100	88-110		% REC	1	03/13/01
Surr: 4-Bromofluorobenzene	S	104	86-115		% REC	1	03/13/01
Surr: Dibromofluoromethane	S	96	86-118		% REC	1	03/13/01
Surr: 1,2-Dichloroethane-d4	S	91	80-120		% REC	1	03/13/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution FactorS - Spike recovery outside recovery limits

Qual:

T - Tentatively Identified Compound (TIC)
ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank

SD - Value diluted out

I -Matrix Interference

* - Exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-02-11 / Feddeler C & D

Client Sample ID:

MW-13

Ì

ME0103048 ME0103048-02A

Sample Description:

Groundwater

Sample Matrix:

Aqueous 03/05/01

Collection Date:

03/05/01

Date Received: 03/0

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
AMMONIA		Method: E	350.1	Prep Date: 3/13/20	001 Ar	nalyst: DG
Nitrogen, Ammonia (As N)	Α	ND	0.1	mg/L	1	03/14/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution Factor

Qual:

T - Tentatively Identified Compound (TIC)
ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank

* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits

I -Matrix Interference

SD - Value diluted out

R - RPD outside accepted recovery limits E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-02-11 / Feddeler C & D

Client Sample ID:

MW-13

ME0103048

ME0103048-02B

Sample Description:

Groundwater

Sample Matrix:

Aqueous 03/05/01

Collection Date: Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
CHLORIDE		Method: M	4500-CL B	Prep Da	ate:	Ar	alyst: JG
Chloride	Α	62	1		mg/L	1	03/14/01
SULFATE		Method: E	375.4	Prep Da	ate:	Ar	alyst: DG
Sulfate	A	140	10		mg/L	1	03/06/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution Factor
 S - Spike recovery outside recovery limits

Qual:

T - Tentatively Identified Compound (TIC)
ND - Not Detected at the Reporting Limit

SD - Value diluted out

I -Matrix Interference

B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

R - RPD outside accepted recovery limits E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project: Work Order:

SIMALABS ID:

0072-02-11 / Feddeler C & D

ME0103048

ME0103048-02C

Client Sample ID:

MW-13

Sample Description:

Groundwater

Sample Matrix: Collection Date: Aqueous 03/05/01

Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
PHENOLICS		Method: SV	N9066	Prep Date: 3/8/200	1 Ar	nalyst: DG
Phenolics, Total Recoverable	A	0.011	0.01	mg/L	1	03/09/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution Factor

Qual:

T - Tentatively Identified Compound (TIC) ND - Not Detected at the Reporting Limit

B - Detected in the associated Method Blank * - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits SD - Value diluted out

I -Matrix Interference

R - RPD outside accepted recovery limits E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-02-11 / Feddeler C & D

Client Sample ID:

MW-13

Work Order: SIMALABS ID:

ME0103048 ME0103048-02D

Sample Description:

Groundwater

Sample Matrix:

Aqueous

Collection Date: Date Received:

03/05/01 03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual Units	DF	Date Analyzed
DISSOLVED ARSENIC BY GFAA		Method: St	W7060A	Prep Date: 3/6/200	l A	nalyst: JEK
Arsenic	Α	ND	0.01	mg/L	1	03/08/01
DISSOLVED METALS BY ICP		Method: St	W6010B	Prep Date: 3/6/2001	l Ai	nalyst: JEK
Barium	Α	0.11	0.01	mg/L	1	03/09/01
Sodium	A	40	2	mg/L	1	03/09/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution Factor

Qual:

T - Tentatively Identified Compound (TIC) ND - Not Detected at the Reporting Limit B - Detected in the associated Method Blank

* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits SD - Value diluted out

I -Matrix Interference

R - RPD outside accepted recovery limits E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

0072-02-11 / Feddeler C & D

Client Sample ID:

MW-13

Work Order: SIMALABS ID:

ME0103048 ME0103048-02E

Sample Description:

Groundwater

Sample Matrix:

Aqueous

Collection Date:

03/05/01

Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
OLATILE ORGANICS		Method: S	W8260B	Prep Da	te:	An	alyst: CLR
Benzene	Α	ND	5		µg/L	1	03/13/01
2-Butanone	Α	ND	10		µg/L	1	03/13/01
1,1-Dichloroethane	А	ND	5		μg/L	1	03/13/01
cis-1,2-Dichloroethene	Α	ND	5	ļ	μg/L	1	03/13/01
trans-1,2-Dichloroethene	A	ND	5	ı	µg/L	1	03/13/01
Ethylbenzene	A	ND	5	ı	µg/L	1	03/13/01
Methylene chloride	A	ND	5	ļ	µg/L	1	03/13/01
Toluene	Α	ND	5	ļ	ug/L	1	03/13/01
Surr: Toluene-d8	S	97	88-110	c.	% REC	1	03/13/01
Surr: 4-Bromofluorobenzene	S	104	86-115	G	% REC	1	03/13/01
Surr: Dibromofluoromethane	S	96	86-118	o.	% REC	1	03/13/01
Surr: 1,2-Dichloroethane-d4	S	97	80-120	9	% REC	1	03/13/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

DF - Dilution Factor

Qual:

T - Tentatively Identified Compound (TIC)
ND - Not Detected at the Reporting Limit

B - Detected in the associated Method Blank

* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits

I -Matrix Interference

SD - Value diluted out

R - RPD outside accepted recovery limits

E - Value above quantitation range



Date:

Friday, March 16, 2001

Client:

Weaver Boos & Gordon, Inc.

Client Project:

SIMALABS ID:

0072-02-11 / Feddeler C & D

Client Sample ID:

TB

Work Order:

ME0103048 ME0103048-03A

Sample Description:

Trip Blank

Sample Matrix: Collection Date: Aqueous 03/05/01

Date Received:

03/05/01

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date Analyzed
OLATILE ORGANICS		Method: St	W8260B	Prep D	ate:	An	alyst: CLR
Benzene	Α	ND	5	-	µg/L	1	03/13/01
2-Butanone	Α	ND	10		μg/L	1	03/13/01
1,1-Dichloroethane	Α	ND	5		µg/L	1	03/13/01
cis-1,2-Dichloroethene	Α	ND	5		µg/L	1	03/13/01
trans-1,2-Dichloroethene	A	ND	5		µg/L	1	03/13/01
Ethylbenzene	Α	ND	5		μg/L	1	03/13/01
Methylene chloride	Α	7.2	5	В	μg/L	1	03/13/01
Toluene	Α	ND	5		µg/L	1	03/13/01
Surr: Toluene-d8	S	97	88-110		% REC	1	03/13/01
Surr: 4-Bromofluorobenzene	S	97	86-115		% REC	1	03/13/01
Surr: Dibromofluoromethane	S	95	86-118		% REC	1	03/13/01
Surr: 1,2-Dichloroethane-d4	S	93	80-120		% REC	1	03/13/01

Samp Type:

A - Analyte, S - Surrogate, I - Internal Standard

T - Tentatively Identified Compound (TIC)

DF - Dilution Factor

I -Matrix Interference

Qual:

ND - Not Detected at the Reporting Limit

B - Detected in the associated Method Blank

* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits SD - Value diluted out

R - RPD outside accepted recovery limits

E - Value above quantitation range

SIMALABS International

250 W. 84th Drive Merrillville, IN 46410 (219) 769-8378

COOLER INSPECTION

Tuesday, March 06, 2001

Client Name: WEAVER B	00S		Date / Time Received:	<u>3/5/01</u>
Work Order Number ME0	103048	/	Received by: KRS	1 /
Checklist completed by:	In Am	3/6/01	Reviewed by:	3/8/01
	nature	Date	Initials	Date
	•	Carrier name: <u>Client Delivered</u>	I	
Shipping container/cooler in	good condition?	Yes 🗹	No Not Present	
Custody seals intact on ship	pping container/cooler?	Yes 🔲	No Not Present	
Custody seals intact on sam	ple bottles?	Yes ↓ Yes ▼ 04	No Not Present	
Chain of custody present?				
Chain of custody signed who	•	_	No 🗀	
Chain of custody agrees with		Yes ✔ Yes ✔	No ∐	
Samples in proper container		Yes ⊻ Yes √	No □ No □	
Samples properly preserved Sample containers intact?	ſ	Yes 🗹	No 🗆	
Sufficient sample volume for	r indicated test?	Yes ₩	No 🗆	
All samples received within I		Yes 🗹	No 🗆	
Samples received on ice?	•	Yes 🗹	No 🗆	
Container/Temp Blank temp	erature	Temp: On		
VOA vials have zero headsp		VOA vials submitted	Yes 🗹 No 🗌	
Water - pH acceptable upon	receipt?	o Water submitted	Yes 🗹 No 🗌	
•				
	Adju	sted? Cho	ecked by	
ANY NO AND/OR NA (NOT	ADDI ICARI E) DESDONI	SE MUST BE DETAILED IN THE	COMMENT SECTION RELOW	
General Comments:	A I LIVABLE, REST ON	DE MOOT DE DETAILED IN THE	COMMENT GEOTICIT BELOW.	
0				
Sample ID	Client Sample ID		Comments	
ME0103048-01A	MW-12			
ME0103048-01B	MW-12			
ME0103048-01C	MW-12			
ME0103048-01D	MW-12			
ME0103048-01E	MW-12			
ME0103048-02A	MW-13			
ME0103048-02B	MW-13			
ME0103048-02C	MW-13			
ME0103048-02D	MW-13			
ME0103048-02E	MVV-13			
ME0103048-03A	ТВ			
Client contacted:	Date	contacted:	Person contacted:	
Contacted by:	Rega	rding:		

SIMALABS

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CHAIN OF CUSTODY

Number 31424

INTERNATIONAL

250 West 84th. Drive Merrillville, IN 46410 Tel: 219-769-8378 / 800-536-8379 Fax: 219-769-1664

Project No. 0672-62-1 Purchase Order No. 7-10 Days Page 5 Days 72-Hours (Please notify lab prior to delivery.) 1000.606-48-Hours Turnaround Time (Circle One) Project Name: Feddeler 212 24-Hours Location: Rush Telephone No. 712 - 922 - 1030 Michigan Ave Client Weaver Boos & Gordon Mike Maxine Send results: Telephone /Fax E-Mail / Address 200 S. Contact Person

(Circle one)) I (au		Telephone No. SIL- 4'66 -/0 SO	Fay	Fax No:	2 2	27.b.	5/2-422-0201	E-Mail:	ail:			í
Bill to Addı	Bill to Address: Some as about	0 95	2 post										
Sampled	Sampled by (PRINT):		Sampler Signature:			(۲ -	ANALYSIS REQUESTED	REQUES	TED			
16 rch 80	1 /2020r	Zteis km	.]			N/Z		3					
Sample #	Date	Time	Sample Description	# of Con- tainers	Matrix	Filtered (1) Preserved	Si nomni A	104049 104049	\$ 70 V			Laboratory Identification	C
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